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Approved for use through 10/31/2002. OMB 0651-0032

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 8836-186 (IC12074-US)

First Inventor Pil-Kwon JUN

Title Wafer Guides for Processing Semiconductor....

Express Mail Label No. EV329488591US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)

2.  Applicant claims small entity status.  
See 37 CFR 1.27.

3.  Specification [Total Pages 42]  
(preferred arrangement set forth below)

- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4.  Drawing(s) (35 U.S.C. 113) [ Total Sheets 18 ]

5. Oath or Declaration [ Total Pages 2 ]

a.  Newly executed (original or copy)

b.  Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)

i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting Inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).

6.  Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:** Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)

a.  Computer Readable Form (CRF)

b. Specification Sequence Listing on:
 

- i.  CD-ROM or CD-R (2 copies); or
- ii.  paper

c.  Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9.  Assignment Papers (cover sheet & document(s))

10.  37 CFR 3.73(b) Statement  Power of Attorney  
(when there is an assignee)

11.  English Translation Document (if applicable)

12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations

13.  Preliminary Amendment

14.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)

15.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)

16.  Request and Certification under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent. PTO/SB/17

17.  Other: (2) Form PTO-2038

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation  Divisional  Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_ / \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

|   |   |           |                |                                   |                |
|---|---|-----------|----------------|-----------------------------------|----------------|
| <input type="checkbox"/> Customer Number or Bar Code Label<br>(Insert Customer No. or Attach bar code label here) | or <input checked="" type="checkbox"/> Correspondence address below |           |                |                                   |                |
| Name  | Frank Chau  |           |                |                                   |                |
| Address   | F. CHAU & ASSOCIATES, LLP<br>1900 Hempstead Turnpike, Suite 501     |           |                |                                   |                |
| City  | East Meadow   | State     | New York       | Zip Code                          | 11554          |
| Country   | U.S.A   | Telephone | (516) 357-0091 | Fax                               | (516) 357-0092 |
| Name (Print/Type)   | Nathaniel T. Wallace  |           |                | Registration No. (Attorney/Agent) | 48,909         |
| Signature   |   |           |                | Date                              | July 14, 2003  |

1768 U.S. PTO  
07/14/03

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# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** **(\$)** 1,396.00

## Complete if Known

|                      |                       |
|----------------------|-----------------------|
| Application Number   |                       |
| Filing Date          |                       |
| First Named Inventor | Pil-Kwon JUN          |
| Examiner Name        |                       |
| Art Unit             |                       |
| Attorney Docket No.  | 8836-186 (IC12074-US) |

PRO  
10/6/03

10/6/03  
07/14/03

## METHOD OF PAYMENT (check all that apply)

Check  Credit card  Money Order  Other  None

Deposit Account:

Deposit Account Number  
Deposit Account Name  
F. Chau & Associates, LLP

The Commissioner is authorized to: (check all that apply)  
 Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description  | Fee Paid |
|----------|----------|----------|----------|--|----------|
| 1051     | 130      | 2051     | 65       | Surcharge - late filing fee or oath  |          |
| 1052     | 50       | 2052     | 25       | Surcharge - late provisional filing fee or cover sheet                     |          |
| 1053     | 130      | 1053     | 130      | Non-English specification  |          |
| 1812     | 2,520    | 1812     | 2,520    | For filing a request for ex parte reexamination                            |          |
| 1804     | 920*     | 1804     | 920*     | Requesting publication of SIR prior to Examiner action                     |          |
| 1805     | 1,840*   | 1805     | 1,840*   | Requesting publication of SIR after Examiner action                        |          |
| 1251     | 110      | 2251     | 55       | Extension for reply within first month                                     |          |
| 1252     | 410      | 2252     | 205      | Extension for reply within second month                                    |          |
| 1253     | 930      | 2253     | 465      | Extension for reply within third month                                     |          |
| 1254     | 1,450    | 2254     | 725      | Extension for reply within fourth month                                    |          |
| 1255     | 1,970    | 2255     | 985      | Extension for reply within fifth month                                     |          |
| 1401     | 320      | 2401     | 160      | Notice of Appeal   |          |
| 1402     | 320      | 2402     | 160      | Filing a brief in support of an appeal                                     |          |
| 1403     | 280      | 2403     | 140      | Request for oral hearing   |          |
| 1451     | 1,510    | 1451     | 1,510    | Petition to institute a public use proceeding                              |          |
| 1452     | 110      | 2452     | 55       | Petition to revive - unavoidable   |          |
| 1453     | 1,300    | 2453     | 650      | Petition to revive - unintentional   |          |
| 1501     | 1,300    | 2501     | 650      | Utility issue fee (or reissue)   |          |
| 1502     | 470      | 2502     | 235      | Design issue fee   |          |
| 1503     | 630      | 2503     | 315      | Plant issue fee  |          |
| 1460     | 130      | 1460     | 130      | Petitions to the Commissioner  |          |
| 1807     | 50       | 1807     | 50       | Processing fee under 37 CFR 1.17(q)  |          |
| 1806     | 180      | 1806     | 180      | Submission of Information Disclosure Stmt                                  |          |
| 8021     | 40       | 8021     | 40       | Recording each patent assignment per property (times number of properties) | 40.00    |
| 1809     | 750      | 2809     | 375      | Filing a submission after final rejection (37 CFR 1.129(a))                |          |
| 1810     | 750      | 2810     | 375      | For each additional invention to be examined (37 CFR 1.129(b))             |          |
| 1801     | 750      | 2801     | 375      | Request for Continued Examination (RCE)                                    |          |
| 1802     | 900      | 1802     | 900      | Request for expedited examination of a design application                  |          |

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** **(\$)** 40.00

**SUBTOTAL (2)** **(\$)** 606.00

\*or number previously paid, if greater; For Reissues, see above

|                   |   |                                   |               |
|-------------------|---|-----------------------------------|---------------|
| SUBMITTED BY      |   | (Complete if applicable)          |               |
| Name (Print/Type) | Nathaniel T. Wallace  | Registration No. (Attorney/Agent) | 48,909        |
| Signature         |  | Date                              | July 14, 2003 |

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

**PATENT**

Atty. Docket No. 8836-186 (IC12074-US)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**UTILITY APPLICATION FEE TRANSMITTAL**

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): Pil-Kwon JUN; Sang-Oh PARK; Yong-Kyun KO; and Hun-Jung YI

For: WAFER GUIDES FOR PROCESSING SEMICONDUCTOR  
SUBSTRATES

Enclosed are:

31 page(s) of specification

1 page(s) of Abstract

10 page(s) of claims

18 sheets of drawings  formal  informal

2 page(s) of Declaration and Power of Attorney

An Assignment of the invention to Samsung Electronics Co., Ltd.

**CERTIFICATION UNDER 37 C.F.R. § 1.10**

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date July 14, 2003, in an envelope as "Express Mail Post Office to Addressee" Mail Label Number EV329488591US addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, Mail Stop Patent Application.

Nathaniel T. Wallace  
(Type or print name of person mailing paper)

  
(Signature of person mailing paper)

This application claims the benefit under 35 U.S.C §119(e) of U.S. Provisional Application(s) No(s).:

APPLICATION NO(S).:

FILING DATE

/ \_\_\_\_\_

\_\_\_\_\_

/ \_\_\_\_\_

\_\_\_\_\_

Certified copy of applications

| <u>Country</u> | <u>Appln. No.</u> | <u>Filed</u>      |
|----------------|-------------------|-------------------|
| Korea          | 2002/53755        | September 6, 2002 |

from which priority under Title 35 United States Code, § 119 is claimed  
 is enclosed.

will follow.

#### CALCULATION OF UTILITY APPLICATION FEE

| For  | Number Filed | Number Extra | Rate   | Basic Fee<br>\$750.00   |
|--|--------------|--------------|--------|-------------------------|
| TOTAL CLAIMS                                 | 35           | 15           | x 18 = | \$270.00                |
| INDEPENDENT CLAIMS                           | 7            | 4            | x 84 = | \$336.00                |
| <input type="checkbox"/> Multiple Dep. Claim |              |              | 280    | \$0                     |
|  |              |              |        | <b>TOTAL \$1,356.00</b> |

Verified Statement of "Small Entity" Status Under 37 C.F.R. § 1.27. Reduced fees under 37 C.F.R. § 1.9(f) (50% of total) paid herewith \$\_\_\_\_\_.

\*Includes all independent and single dependent claims and all claims referred to in multiple claims. See 37 C.F.R. § 1.75(c).

The amount of \$40.00 for recording the attached Assignment is enclosed as a separate check.

Please charge fee of \$40.00 for recording the attached assignment by Credit Card Payment Form PTO-2038 enclosed herewith.

Please charge fee of \$1,356.00 to cover the filing fee by Credit Card Payment Form PTO-2038 enclosed herewith.

Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. § 1.16 and 1.17, at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account No. 50-0679. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. 50-0679 therefor. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

Date: July 14, 2003



Nathaniel T. Wallace  
Reg. No. 48,909

F. CHAU & ASSOCIATES, LLP  
Suite 501  
1900 Hempstead Turnpike  
East Meadow, New York 11554  
Tel. No. (516) 357-0091  
Fax. (516) 357-0092